

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE REGULATORY CONTACT RECORD

Date/Time: February 9, 2004

Site Contact(s): Dyan Foss
Phone: (303) 966-7577

Regulatory Contact: Edd Kray
Phone: (303) 966-2115

Agency: CDPHE

Purpose of Contact: Area 1 Disposition

Discussion

In accordance with the 776/777 DOP, Appendix I, the preparation of the facility for demolition is conducted in consultation with the CDPHE and is based on a series of decisions primarily related to maintaining releases to the environment and doses to the workers as low as reasonably achievable (ALARA). This contact record documents the activities that were conducted to prepare Area 1 for demolition. Area 1 consists of three survey units 15, 18, and 24, which includes rooms 436, 437, 442- 444, 446-450, 462-464, 466-476.

The preparation process for Area 1 was initiated October 2, 2003 when a package for in-process radiological surveys was prepared and executed. Once the surveys were complete, the results were discussed at the weekly 776/777 survey status meeting, and the decision was made to complete the following:

- Shave floors in Rooms 437, 443, 447, 448, 449, and 463;
- Remove contaminated duct work from all rooms;
- Partially demolish walls around in Rooms 444, 450, and 446;
- Remove all tape and plastic covering potentially contaminated areas;
- Core wall in Room 473 to verify absence of lead wool;
- Remove section of wall between Columns L-17 and L-18;
- Remove small pieces of lead from Room 448; and
- Remove plaster, foam and lath from Room 462.

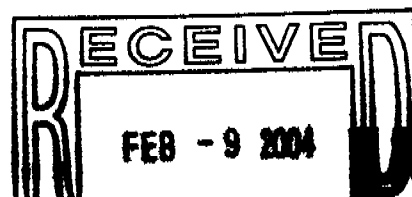
The area was resurveyed in accordance with the Radiological Pre-Demolition Survey Plan for Buildings 776/777. The surveys were provided to the CDPHE project representative, and a walk down of the area was conducted.

In addition to the radiological hazards, the non-radiological hazards have also been addressed in Area 1. The following summarizes the non-radiological activities:

Contact Record 4/10/00
Rev. 9/23/03

DOCUMENT CLASSIFICATION
REVIEW WAIVER PER
CLASSIFICATION OFFICE
CEX-105-01

Page 1 of 2



ADMIN RECORD

B776-A-000168

1/2

- Building 776/777 personnel washed and rinsed floors in Building 777 Rooms 437 and 462. Room 462 was a container storage area that was part of RCRA Unit 777.1. Room 437 provided secondary containment for mixed residue piping and equipment. Rinsate samples were analyzed and compared to the closure performance standard in the B776/777 DOP. On February 4, 2004, James Hindman, CDPHE, concurred that the areas in question have been closed, contingent on final disposition of the building by removal, as is required in the approved Demolition Plan for the facility.
- Chemicals and hazardous substances have been removed.
- Beryllium regulated and controlled areas have been closed. Room 471 was historically used for non-destructive testing and storage of beryllium parts. Rooms 437 and 463 were historically used to store beryllium parts and beryllium oxide ceramics. Samples were taken in these rooms and throughout Area 1 to verify that the unit was below the release criteria.
- Polychlorinated biphenyls (PCB) hazards and equipment have been removed
- Asbestos has been abated.

Based on the survey results and the principles of ALARA, the risks (industrial and radiological) to the workers are greater than the benefit in source term reduction, which would be gained through additional decontamination. The state project representative agrees that decontamination inside Area 1 has progressed to the point of reasonably achievable removal and that the subsequent step of encapsulation is appropriate.

In summary, ALARA-based decontamination has been completed, Area 1 will be encapsulated and surveyed for removable contamination, and controls will be applied during demolition. This contact record will be included as an appendix to the characterization report for Area 1.

Contact Record Prepared By: Dyan Foss

Required Distribution:

M. Aguilar, USEPA
 S. Bell, DOE-RFFO
 B. Birk, DOE-RFFO
 C. Deck, K-H Legal
 D. Foss, K-H 707/776/777
 C. Gilbreath, K-H 771/774
 S. Gunderson, CDPHE
 L. Kilpatrick, DOE-RFFO
 G. Kleeman, USEPA
 J. Legare, DOE-RFFO

R. Leitner, K-H 371/374
 D. Maxwell, DOE-RFFO
 J. Mead, K-H ESS
 S. Nesta, K-H RISS
 K. North, K-H ESS/MS
 T. Rehder, USEPA
 R. Schassburger, DOE-RFFO
 D. Shelton, K-H ESS
 C. Zahm, K-H Legal

Additional Distribution:

E. Kray, CDPHE
 G. Schuetz, DOE RFFO
 H. Brown, 707/776/777
 V. Pizzuto, K-H 707/776/777
 B. Kury, K-H 707/776/777

2/2